

Author index*

A

- ABARQUEZ, RAMON. (*See* Nydick, et al.), 93
ABILDSKOV, J. A. (*See* Cohen, et al.), 656
ABRAMSON, J. H. (*See* Scotch, et al.), 173
AFONSO, SKODA. (*See* Rowe, et al.), 238
AKUTSU, TETSUZO, MIRKOVITCH, VELIMIR, SEIDEL, WOLFGANG, AND KOLFF, WILLEM J. Monocusp aortic valvular prosthesis in dogs, 783
ALVAREZ, MARIANO. (*See* Anselmi, et al.), 387
AMER, NORMAN S. (*See* Bagdonas, et al.), 206
ANDERSON, DOUGLAS J. (*See* Lloyd, et al.), 698
ANDREAE, ROBERT L. (*See* Horan, et al.), 504
ANSELMI, ALFONSO, MONTES, OSCAR, AND ALVAREZ, MARIANO. Participation of the free ventricular walls in the mechanism of production of bundle branch block, 387

B

- BAGDONAS, ALBIN A., STUCKEY, JACKSON H., PIERA, JUAN, AMER, NORMAN S., AND HOFFMAN, BRIAN F. Effects of ischemia and hypoxia on the specialized conducting system of the canine heart, 206
BAIRD, BERNARD. (*See* Bennett, et al.), 500
BANDERMAN, L. (*See* Zsotér, et al.), 777
BARNARD, C. (*See* Swanepoel, et al.), 120
BASHOUR, F. A. (*See* Conner and Bashour), 494
BATTAGLIA, GINO. (*See* Dalla-Volta, et al.), 25
BAYLEY, ROBERT H. The application of boundary potentials to several electrocardiographic problems, 684
BECK, W. (*See* Schrire, et al.), 723
BENCHIMOL, ALBERTO, DIMOND, E., GREY, AND CARSON, JOHN C. The value of the apexcardiogram as a reference tracing in phonocardiography, 485
BENNETT, LESLIE L., RUBIN, MELVIN L., BLEVINS, CHARLES E., AND BAIRD, BERNARD. The effects of infusing quinidine sulfate and potassium chloride, separately and combined, on conduction times of the dog heart, 500
BERNSTEIN, WILLIAM H. (*See* Silverman, et al.), 646
BIALEK, STANLEY M. (*See* Pipberger, et al.), 34
BLACKBURN, HENRY. (*See* Rautaharju and Blackburn), 156
BLAGG, C. R., AND PARSONS, F. M. Earlier dialysis and anabolic steroids in acute renal failure, 287
BLATTEIS, CLARK M., AND TUCKER, EUGENE F. A prong-catheter for inducing vascular distention in the intact animal, 236
BLEVINS, CHARLES E. (*See* Bennett, et al.), 500
BLOUNT, S. GILBERT, JR. (*See* Grover, et al.), 5
BOEN, S. T. (*See* van Leeuwen, et al.), 264
BOGDONOFF, MORTON. (*See* Goodall and Bogdonoff), 640
BOLTAX, ADOLPH J. (*See* Greene, et al.), 622
BORMAN, J. B., STERN, S., SHAPIRA, T., MILWIDSKY, H., AND BRAUN, K. Mitral valvotomy in children, 763
BOUMAN, M. A. Developments in the physiology of color vision since Einthoven, 293
BOUSVAROS, G. A. Pulmonary second sound in the tetralogy of Fallot, 570 (Annot.)
BOUVIER, CLAUDE. (*See* Nydick, et al.), 93
BRANDT, HERMAN. (*See* Tamayo, et al.), 515
BRAUN, K. (*See* Borman, et al.), 763
BRISTOW, J. DAVID. A study of the normal Frank vectorcardiogram, 242
BRODY, DANIEL A. (*See* Evans, et al.), 408, 615
BROWN, THEODORE G., JR., GREEN, THEODORE J., AND GREEN, RUPERT L. Cardiovascular and antiarrhythmic activity of amotriphene, 531
BRUCE, ROBERT A., COBB, LEONARD A., MORLEDGE, JOHN H., AND KATSURA, SHIGEAKI. Effects of posture, upright exercise, and myocardial stimulation of cardiac output in patients with diseases affecting diastolic filling and effective systolic ejection of the left ventricle, 476
—. (*See* Ralston, et al.), 770
VAN BRUMMELEN, A. G. W. (*See* Burger, et al.), 317
BUENGER, R. F. (*See* Casul, et al.), 126
BÜLLER, J. (*See* Durrer, et al.), 303
BUNNELL, IVAN L., IKKOS, DANAE, RUDHE, ULF G., AND SWAN, H. J. C. Left-heart volumes in coarctation of the aorta, 165
BURCH, GEORGE E., CRONVICH, JAMES A., AND ZAO, ZANG Z. Vectorcardiographic deflections obtained with various reference systems in cadavers, 667
—. Development in clinical electrocardiography since Einthoven, 324
—. (*See* Love, et al.), 397
—. (*See* Phillips, et al.), 748
BURGER, H. C., VAN BRUMMELEN, A. G. W., AND VAN HERPEN, G. Heart-vector and leads, 317
BURGERT, E. OMER, JR. (*See* Neufeld, et al.), 189
BURT, RICHARD L. Etiology of pre-eclampsia eclampsia, 710 (Annot.)

C

- CARSON, JOHN C. (*See* Benchimol, et al.), 485
CASTELLANOS, AGUSTIN, JR. The genesis of bidirectional tachycardias, 733
CASTILLO, CESAR A. (*See* Rowe, et al.), 238, 369
CHAPPEL, C. I. (*See* Zsotér, et al.), 777
CHELIUS, CARL J. (*See* Rowe, et al.), 238
CLIFFORD, JACK E. (*See* Rowe, et al.), 369
CLIFFTON, EUGENE E. (*See* Nydick, et al.), 93
COBB, LEONARD A. (*See* Bruce, et al.), 476
—. (*See* Ralston, et al.), 770
COHEN, W., ABILDSKOV, J. A., AND JACOBSON, E. D. Theoretical and clinical studies of the electrocardiogram and vectorcardiogram in right ventricular enlargement, 656
CONNER, P. K., AND BASHOUR, F. A. Cardiopulmonary changes in scleroderma. A physiologic study, 494

*January, pp. 1-144; February, pp. 145-286; March, pp. 287-430; April, pp. 431-574; May, pp. 575-718; June, 719-864.

- CORCORAN, A. C. Coronary atherosclerosis. Status of MER-29 (triparanol), 431
 COTTAS, C. S. (*See* Duntas and Cottas), 676
 CREECH, OSCAR, Jr. (*See* Longenecker, et al.), 382
 CRONVICH, JAMES A. (*See* Burch, et al.), 667
 CROUT, J. RICHARD, PISANO, JOHN J., AND SJÖERDSMA, ALBERT. Urinary excretion of catecholamines and their metabolites in pheochromocytoma, 375
 CRUMPTON, CHARLES W. (*See* Rowe, et al.), 238, 369

D

- DALLA-VOLTA, SERGIO, BATTAGLIA, GINO, AND ZERBINI, ENNIO. "Auricularization" of right ventricular pressure curves, 25
 VAN DAM, R. TH., and DURRER, D. Experimental study on the intramural distribution of the excitability cycle and on the form of the epicardial T wave in the dog heart in situ, 537
 ——. (*See* Durrer, et al.), 303
 DAUGHERTY, E. A. (*See* Forte, et al.), 756
 DIMOND, E. GREY. (*See* Benchimol, et al.), 485
 DOHERTY, JAMES E., AND HARA, MASAKI. The effect of citrate infusion on the electrocardiogram of the hypothermic and normothermic dog, 225
 DONTAS, A. S. A study of arterial pressure plethysmograms and impedance plethysmograms, 790
 ——, AND COTTAS, C. S. Arterial volume and pressure pulse contours in the young human subject, 676
 DORIA, JOHN. (*See* Tamayo, et al.), 515
 DUBOUCHER, G. (*See* Sarrouy, et al.), 145
 DURANT, THOMAS M. Negative (gas) contrast angiography, 1
 DURIE, E. BEATRIX. (*See* Lloyd, et al.), 698
 DURRER, D., FORMIJNE, P., VAN DAM, R. TH., BÜLLER, J., VAN LIER, A. A. W., AND MEYLER, F. L. The electrocardiogram in normal and some abnormal conditions, 303
 ——. (*See* van Dam and Durrer), 537
 DYER, JUAN. (*See* Peñaloza, et al.), 101

E

- ECHEVARRÍA, MAX. (*See* Peñaloza, et al.), 101
 ECKSTEIN, JOHN W. (*See* Horsley and Eckstein), 88
 EDWARDS, JESSE E. (*See* Neufeld, et al.), 189
 EL-HAJJ, MUHSIN M. (*See* Stapleton and El-Hajj), 178
 EPPS, REGINALD G. (*See* Lloyd, et al.), 698
 VAN EPS, L. W. ST. (*See* van Leeuwen, et al.), 264
 ERB, BLAIR D. (*See* Evans, et al.), 615
 EVANS, JOHN W., ERB, BLAIR D., AND BRODY, DANIEL A. Comparative proximity and remoteness characteristics of conventional electrocardiographic leads, 615
 ——, HARRIS, THOMAS R., AND BRODY, DANIEL A. Ruptured aortic sinus aneurysm. Case report, with review of clinical features, 408
 EVANS, WILLIAM. Alcoholic cardiomyopathy, 556

F

- FINDLEY, THOMAS. The nephrotic syndrome, 822
 FLETCHER, ANTHONY P. (*See* Sherry and Fletcher), 575
 FORMIJNE, P. (*See* Durrer, et al.), 303
 FORTE, I., HAFKENSCHIEL, J. H., SCHMITTHENNER, J. E., NEAL, H., AND DAUGHERTY, E. A. The role of exercise tests in the diagnosis of coronary artery insufficiency, 756

- FORTE, IVAN E., POTGIETER, LOUIS, SCHMITTHENNER, JERRY E., NEAL, HUNTER, AND HAFKENSCHIEL, J. H. Practical limitations of the Kety method for determining coronary blood flow by infrared analysis of blood nitrous oxide, 81
 FREEMAN, ZELMAN. (*See* Lloyd, et al.), 698

G

- GAMBOA, RAÚL. (*See* Peñaloza, et al.), 101
 GAMPEL, B. (*See* Scotch, et al.), 173
 GANTT, JAMES R. (*See* Hyman, et al.), 53
 GASUL, B. M., BUENGER, R. F., JULIAN, O. C., AND TRUEHEART, R. E. Clinical pathologic conference, 126
 GIRAUD, G. A day's discussion on electrocardiography, 354
 GLASSMAN, EPHRAIM. (*See* McGaff, et al.), 161
 GOODALL, MCC., AND BOGDONOFF, MORTON. Essential hypertension with an elevated noradrenaline excretion, 640
 GOODMAN, ALLAN H., AND KUZMAN, WILLIAM J. Functionally corrected transposition of the great vessels without significant associated defects, 811
 GOODMAN, RICHARD M., AND PICK, ALFRED. An unusual type of intermittent A-V dissociation in acute rheumatic myocarditis, 259
 GORDON, ARTHUR. (*See* Greene, et al.), 622
 GOTTF, F. S. (*See* Moir and Gott), 740
 GOULD, JAMES P., SCHER, ALLEN M., AND HAMLIN, ROBERT L. Contribution of the right ventricular wall to the QRS complex, 796
 GREEN, RUPERT L. (*See* Brown, et al.), 531
 GREEN, THEODORE J. (*See* Brown, et al.), 531
 GREENE, MURRAY A., GORDON, ARTHUR, AND BOLTAX, ADOLPH J. Effects of intravenous lanatoside-C upon cardiodynamics in patients with mitral stenosis and regular sinus rhythm, 622
 GRIFFITHS, SYLVIA P. Bacterial endocarditis associated with atrial septal defect of the ostium secundum type, 543
 GROSS, DESIDERIO. Contributions to the functional morphology of the P wave, 436
 GROSSE-BROCKHOFF, FRANZ. Ultrasonic cardiology, 842 (Annot.)
 GROVER, ROBERT F., REEVES, JOHN T., AND BLOUNT, S. GILBERT, JR. Tolazoline hydrochloride (Priscoline). An effective pulmonary vasodilator, 5
 GURTNER, HANS P. (*See* Rowe, et al.), 238
 GUTIERREZ, EDILBERTO. (*See* Peñaloza, et al.), 101
 GUZ, ABRAHAM. (*See* Hoffman and Guz), 665

H

- HAFKENSCHIEL, J. H. (*See* Forte, et al.), 81, 756
 HAMLIN, ROBERT L. (*See* Gould, et al.), 796
 HAN, SUNG T. (*See* Schoenfeld, et al.), 818
 HANSEN, JAMES E. Paroxysmal ventricular tachycardia associated with myxedema. A case report, 692
 HARA, MASAKI. (*See* Doherty and Hara), 225
 HARRIS, THOMAS R. (*See* Evans, et al.), 408
 HARRISON, T. R. (*See* Skinner, et al.), 250
 HARTMAN, H. (*See* Snellen and Hartman), 347
 HARVEY, W. PROCTOR, AND PERLOFF, JOSEPH K. The auscultatory findings in primary myocardial disease, 199
 HECHT, HANS H. The blight of medical science, 282 (Annot.)
 HELLINGER, RICHARD. (*See* Phillips, et al.), 748
 VAN HERPEN, G. (*See* Burger, et al.), 317
 HIKITA, GEN-ICHI. (*See* Yoshida, et al.), 61
 HOFFMAN, BRIAN F. (*See* Bagdonas, et al.), 206

- HOFFMAN, JULIEN I. E., AND GUZ, ABRAHAM. Toxicity of Coomassie blue, 665
- HOLLIS, WALTER J. Systolic I-J acceleration-force values of normal males from a Nickerson type of ultralow-frequency ballistocardiographic system, 525
- HORAN, LEO G., ANDREAE, ROBERT L., AND YOFFEE, HARRY F. The effect of intracavitory carbon dioxide on surface potentials in the intact canine chest, 504
- HORSLEY, A. W., AND ECKSTEIN, JOHN W. Hemodynamic responses to administration of mephentermine in normotensive and hypotensive dogs, 88
- HUBSHER, JEROME A. The electrocardiogram of the premature infant, 467
- HUTTER, ROBERT V. (See Nydick, et al.), 93
- HYMAN, ALBERT L., HYMAN, EDWARD S., QUIROZ, ANTONIO C., AND GANTT, JAMES R. Hydrogen-platinum electrode system in detection of intravascular shunts, 53
- HYMAN, CHESTER. Concept of a dual circulation, 284 (Annot.)
- , WINSOR, TRAVIS. What can be found in arterial pulse waves, 424 (Annot.)
- HYMAN, EDWARD S. (See Hyman, et al.), 53

I

- IKKOS, DANAЕ. (See Bunnell, et al.), 165
- INGRAM, ROLAND H., JR. (See Skinner, et al.), 458

J

- JACOBSON, E. D. (See Cohen, et al.), 656
- JAMES, THOMAS N. Air embolism, 423
- JONES, K. O. A. (See Lloyd, et al.), 698
- JONKERS, J. E. Einthoven commemoration address, 366
- JOSEPH, M. C., AND TENCKHOFF, L. Sinus arrhythmia in rheumatic fever, 634
- JULIAN, O. C. (See Gasul, et al.), 126

K

- KALOKERINOS, JAMES. (See Lloyd, et al.), 698
- KATSURA, SHIGEAKI. (See Bruce, et al.), 476
- KING, E. S. J. Ultrastructure of coronary vessels, 137
- KIPSCHIDZE, N. N. (See Myasnikov, et al.), 76
- KLIP, W. Mathematical physics and the physician, 710 (Annot.)
- KLUHNHAAR, E. W. J. M. (See Schneider and Klunhaar), 670
- KOLFF, WILLEM J. (See Akutsu, et al.), 783
- KOSOVSKY, JONAH D. (See Kupfer and Kosovsky), 284 (Annot.)
- KRAUS, OTTO. (See Lloyd, et al.), 698
- KUPFER, SHERMAN, AND KOSOVSKY, JONAH D. Cardiac glycosides and the kidney, 284 (Annot.)
- KUZMAN, WILLIAM J. (See Goodman and Kuzman), 811

L

- LADUE, JOHN S. (See Nydick, et al.), 93
- LASZLO, JOHN. (See Wallace, et al.), 548
- VAN LEEUWEN, A. M., VAN EPS, L. W. ST., BOEN, S. T., AND VROOM, R. J. Hypotension accompanying ECG changes in two uremic patients with severe hypocalcemia, 264
- LEIBESKIND, ROBERT S. (See Skinner, et al.), 250
- LEPOW, HAROLD. (See Schoenfeld, et al.), 818
- LESSER, MILTON E. (See Lev, et al.), 593
- LEV, MAURICE. Complete left bundle branch block. A physiologic-pathologic correlation. Report of a case, 149

- , UNGER, PAUL N., LESSER, MILTON E., AND PICK, ALFRED. Pathology of the conduction system in acquired heart disease, complete right bundle branch block, 593
- LEVINE, SAMUEL A. Masked thyrotoxicosis and coronary artery disease in father and son, 713 (Annot.)
- . Willem Einthoven. Some historical notes on the occasion of the centenary celebration of his birth, 422 (Annot.)
- VAN LIER, A. A. W. (See Durrer, et al.), 303
- LITWAK, ROBERT S. (See Silverman, et al.), 646
- LIVINGSTONE, RONALD A. Blood flow in the calf of the leg after running, 219
- LLOYD, A. MURRAY, ANDERSON, DOUGLAS J., STUCKEY, DOUGLAS S., KALOKERINOS, JAMES, EPPS, REGINALD G., FREEMAN, ZELMAN, DURIE, E. BEATRIX, KRAUS, OTTO, RAVEN, JOHN L., AND JONES, K. O. A. Clinical pathologic conference, 698
- LONGENECKER, CHARLES G., REEMTSMA, KEITH, AND CREECH, OSCAR, JR. Surgical implications of single coronary artery. A review and two case reports, 382
- LOVE, WILLIAM D., O'MEALLIE, L. P., AND BURCH, GEORGE E. Clinical estimation of the volumes of blood in the right heart, left heart, and lungs by use of I^{131} albumin, 397
- LUCKEY, E. HUGH. (See OGDEN, et al.), 16

M

- MCGAFF, CHARLES J., ROVETI, GEORGE C., GLASSMAN, EPHRAIM, AND ROSS, RICHARD S. An experience with transseptal left heart catheterization, 161
- MARTICORENA, EMILIO. (See Peñaloza, et al.), 101
- MAXWELL, GEORGE M. (See Rowe, et al.), 369
- MEDELLÍN, HÉCTOR. (See Tamayo, et al.), 515
- MENDLOWITZ, MILTON. Bruit de Roger, 283 (Annot.)
- . Medicine versus science, 571 (Annot.)
- MERRILL, ARTHUR J. Management of the nephrotic syndrome, 719
- MESSELOFF, CHARLES R. (See Schoenfeld, et al.), 818
- MEYLER, F. L. (See Durrer, et al.), 303
- MICKERSON, J. N. Steroid maintenance treatment in cor pulmonale, 711 (Annot.)
- MILWIDSKY, H. (See Borman, et al.), 763
- MIRKOVITCH, VELIMIR. (See Akutsu, et al.), 783
- MOIR, T. W., AND GOTTE, F. S. The central circulating blood volume in normal subjects and patients with mitral stenosis, 740
- MONTES, OSCAR. (See Anselmi, et al.), 387
- MORI, MASAYOSHI. (See Yoshida, et al.), 61
- MORLEDGE, JOHN H. (See Bruce, et al.), 476
- MORRIS, BEDE. Significance of reticuloendothelial cells in atherosclerosis, 569 (Annot.)
- MYASNIKOV, A. L., KIPSCHIDZE, N. N., AND TCHAZOV, E. I. The experimental induction of myocardial infarction, 76

N

- NAEYE, RICHARD L. Perinatal changes in the pulmonary vascular bed with stenosis and atresia of the pulmonic valve, 586
- NAKANISHI, KATSUMI. (See Yoshida, et al.), 61
- NEAL, H. (See Forte, et al.), 756
- NEAL, HUNTER. (See Forte, et al.), 81
- NELLEN, M. (See Schrire, et al.), 723
- . (See Swanepoel, et al.), 120
- NEUFELD, HENRY N., ONGLEY, PATRICK A., SWAN, H. J. C., BURGERT, E. OMAR, JR., AND EDWARDS, JESSE E. Biventricular origin of pulmonary trunk with subaortic stenosis above the ventricular septal defect, 189
- NICKERSON, JOHN F. (See Skinner, et al.), 458

NIMURA, YASUHARU. (*See* Yoshida, et al.), 61
 NYDICK, IRWIN, RUEGSEGGER, PAUL, BOUVIER, CLAUDE, HUTTER, ROBERT V., ABARQUEZ, RAMON, CLIFFTON, EUGENE E., AND LADUE, JOHN S. Salvage of heart muscle by fibrinolytic therapy after experimental coronary occlusion, 93

O

O'CONOR, G. T. (*See* Somers, et al.), 416
 OGDEN, DAVID A., SCHERR, LAWRENCE, SPRITZ, NORTON, RUBIN, ALBERT L., AND LUCKEY, E. HUGH. The management of resistant fluid-retention states with intravenous L-arginine monohydrochloride in combination with mercurial diuretics, 16
 OKAJIMA, MITSUHARU, AND SIMONSON, ERNST. Electrical axis. Measurement and definition in historical perspective, 421 (Annot.)
 O'MEARA, L. P. (*See* Love, et al.), 397
 ONGLEY, PATRICK A. (*See* Neufeld, et al.), 189

P

PARSONS, F. M. (*See* Blagg and Parsons), 287
 PEÑALOZA, DANTE, GAMBOA, RAÚL, MARTICORENA, EMILIO, ECHEVERRÍA, MAX, DYER, JUAN, AND GUTIERREZ, EDILBERTO. The influence of high altitudes on the electrical activity of the heart, 101
 PERLOFF, JOSEPH K. (*See* Harvey and Perloff), 199
 —. (*See* Pipberger, et al.), 34
 PHILLIPS, HARRY L. (*See* Skinner, et al.), 250
 PHILLIPS, JOHN H., BURCH, GEORGE E., AND HELLINGER, RICHARD. The use of intracardiac carbon dioxide in the diagnosis of pericardial disease, 748
 PICK, ALFRED. (*See* Goodman and Pick), 259
 —. (*See* Lev, et al.), 593
 PIERA, JUAN. (*See* Bagdonas, et al.), 206
 PIERCE, JOHN A. (*See* Spurny and Pierce), 21
 PIPBERGER, HUBERT V., BIALEK, STANLEY M., PERLOFF, JOSEPH K., AND SCHNAPER, HAROLD W. Correlation of clinical information in the standard 12-lead ECG and in a corrected orthogonal 3-lead ECG, 34
 PISANO, John J. (*See* Crout, et al.), 375
 POLÁČEK, PŘEMYSL. Relation of myocardial bridges and loops on the coronary arteries to coronary occlusions, 44
 POLANSKY, BURTON J. (*See* Sodi-Pallares and Polansky), 568 (Annot.)
 POTGIETER, LOUIS. (*See* Forte, et al.), 81

Q

QUIROZ, ANTONIO C. (*See* Hyman, et al.), 53

R

RALSTON, LEWIS A., COBB, LEONARD A., AND BRUCE, ROBERT A. Acute circulatory effects of arterial bleeding as determined by indicator-dilution curves in normal human subjects, 770
 RAUTAHARJU, PENTTI M., AND BLACKBURN, HENRY. Relationship of elevated blood pressure to ECG amplitudes and spatial vectors in otherwise "healthy" subjects, 156
 RAVEN, JOHN L. (*See* Lloyd, et al.), 698
 REEMTSMA, KEITH. (*See* Longenecker, et al.), 382
 REEVES, JOHN T. (*See* Grover, et al.), 5
 REGNIER, M. In memory of Einthoven, 361
 RIJLANT, P. Discussion (Einthoven Symposium), 354

ROSS, RICHARD S. Right ventricular hypertension as a cause of precordial pain, 134 (Annot.)
 —. (*See* McGaff, et al.), 161

ROVETI, GEORGE C. (*See* McGaff, et al.), 161
 ROWE, GEORGE G., CASTILLO, CESAR A., GURTNER, HANS P., AFONSO, SKODA, CHELIUS, CARL J., AND CRUMPTON, CHARLES W. The systemic and coronary hemodynamic effects of 1-(2-methoxyphenol)-4-(3-methoxypyropyl)-piperazine phosphate, 238
 —, —, MAXWELL, GEORGE M., CLIFFORD, JACK E., AND CRUMPTON, CHARLES W. Atrial septal defect and the mechanism of shunt, 369
 RUBIN, ALBERT L. (*See* Ogden, et al.), 16
 RUBIN, MELVIN L. (*See* Bennett, et al.), 500
 RUDHE, ULF G. (*See* Bunnell, et al.), 165
 RUEGSEGGER, PAUL. (*See* Nydick, et al.), 93

S

SAMET, PHILIP. (*See* Silverman, et al.), 646
 SANCETTA, SALVATORE M. (*See* Traks and Sancetta), 184
 SANO, TOYOMI, TSUCHIHASHI, HIROMICHI, TAKIGAWA, SYOZI, AND SHIMAMOTO, TAKIO. U vector loop or arc in normal subjects and in those with left ventricular hypertrophy, 802
 SARROUY, CH., SENDRA, L., AND DUBOUCHER, G. Considerations on the evolution of heart disease in Algeria, 145
 SATOMURA, SHIGEO. (*See* Yoshida, et al.), 61
 SCHER, ALLEN M. (*See* Gould, et al.), 796
 SCHERR, LAWRENCE. (*See* Ogden, et al.), 16
 SCHLUGER, JOSEPH. Indicator-dilution techniques in diagnostic cardiology, 845 (Annot.)
 SCHMITTHENNER, J. E. (*See* Forte, et al.), 756
 SCHMITTHENNER, JERRY E. (*See* Forte, et al.), 81
 SCHNAPER, HAROLD W. (*See* Pipberger, et al.), 34
 SCHNEIDER, H., AND KLUNHAAR, E. W. J. M. Precordial low-frequency displacements of the thoracic wall. Method of recording and registration, 670
 SCHOENFIELD, MYRON R., MESSELOFF, CHARLES R., HAN, SUNG T., AND LEPOW, HAROLD. Large abscess of the heart and spleen complicating bacterial (enterococcal) endocarditis, 818
 SCHRIRE, V. (*See* Swanepoel, et al.), 120
 —, VOGELPOEL L., NELLEN, M., SWANEPOEL A., AND BECK, W. Silent mitral incompetence, 723
 SCOTCH, N., GAMPAL, B., ABRAMSON, J. H., AND SLOME, C. Blood pressure measurements of urban Zulu adults, 173
 SCOTT, RALPH C. The electrocardiogram in pulmonary emphysema and chronic cor pulmonale, 843 (Annot.)
 SEIDEL, WOLFGANG. (*See* Akutsu, et al.), 783
 SENDRA, L. (*See* Sarrouy, et al.), 145
 SHAPIRA, T. (*See* Borman, et al.), 763
 SHAPIRO William. (*See* Sharpe and Shapiro), 650
 SHARPE, ALTON R., JR., AND SHAPIRO, WILLIAM. Analysis of time and concentration components and cardiac output determination obtained from precordial isotope-dilution curves, 650
 SHERRY, SOL, AND FLETCHER, ANTHONY P. Thrombolytic therapy, 575
 SHIMAMOTO, TAKIO. (*See* Sano, et al.), 802
 SILVERMAN, LEONARD M., SAMET, PHILIP, BERNSTEIN, WILLIAM H., AND LITWAK, ROBERT S. Effect of variations in cardiac output and diastolic filling period upon mitral diastolic gradient, 646
 SIMONSON, ERNST. (*See* Okajima and Simonson), 421
 SJOERDSMA, Albert. (*See* Crout, et al.), 375

- SKINNER, N. SHELDON, JR. Kinetocardiographic findings in patients with congestive heart failure and changes after therapeutic digitalization, 445
- , LEIBESKIND, ROBERT S., PHILLIPS, HARRY L., AND HARRISON, T. R. Angina pectoris. Effect of exertion and of nitrites on precordial movements, 250
- , NICKERSON, JOHN F., AND INGRAM, ROLAND H., JR. Kinetocardiographic alterations in patients with congestive heart failure at rest and after exercise. The effect of digitalis, 458
- SLOME, C. (*See* Scotch, et al.), 173
- SMIRK, F. H. Recent developments in hypertensive therapy, 272
- SNELLEN, H. A., AND HARTMAN, H. Developments in phonocardiography, 347
- SODI-PALLARES, DEMETRIO, AND POLANSKY, BURTON J. On the neglected role of water and potassium in cardiovascular therapy, 568 (Annot.)
- SOMERS, K., WILLIAMS, A. W., AND O'CONOR, G. T. Clinical pathologic conference, 416
- SPRITZ, NORTON. (*See* Ogden, et al.), 16
- SPURNY, OTTO M., AND PIERCE, JOHN A. Cardiac output in systemic arteriovenous fistulas complicated by heart failure, 21
- STADLER, HAROLD E. Endocardial fibroelastosis in one of monozygotic twins, 116
- STAPLETON, JOHN F., AND EL-HAJJ, MUHSIN M. Heart murmurs simulated by arterial bruits in the neck, 178
- STERN, S. (*See* Borman, et al.), 763
- STILL, W. J. S. Endocardial fibroelastosis, 579
- STIRLING, GEORGE R. The preservation of myocardial function during open-heart surgery, 841 (Annot.)
- STUCKEY, DOUGLAS S. (*See* Lloyd, et al.), 698
- STUCKEY, JACKSON H. (*See* Bagdonas, et al.), 206
- SWAN, H. J. C. (*See* Bunnell, et al.), 165
—. (*See* Neufeld, et al.), 189
- SWANEPOEL, A., SCHRIRE, V., NELLEN, M., VOGELPOEL, L., AND BARNARD, C. Traumatic aortic-right atrial fistula: report of a case corrected by operation, 120
—. (*See* Schrire, et al.), 723
- T
- TAKAGISHI, SHINPACHI. (*See* Yoshida, et al.), 61
- TAKIGAWA, SYOZI. (*See* Sano, et al.), 802
- TAMAYO, RUY PÉREZ, BRANDT, HERMAN, MEDELLÍN, HÉCTOR, AND DORIA, JOHN. Vascular lesions in experimental pulmonary embolism, 515
- TCHAZOV, E. I. (*See* Myasnikov, et al.), 76
- TENCKHOFF, L. (*See* Joseph and Tenckhoff), 634
- TRAKS, ELMERICE, AND SANCTTA, SALVATORE M. The effects of "dry" heat on the circulation of man. General hemodynamics in patients with chronic pulmonary emphysema, 184
- TRAUTWEIN, W. Discussion (Einthoven Symposium), 315
- TRUEHEART, R. E. (*See* Gasul, et al.), 126
- TSUCHIHASHI, HIROMICHI. (*See* Sano, et al.), 802
- TUCKER, EUGENE F. (*See* Blatteis and Tucker), 236
- TYRER, J. H. The kinked left innominate vein, 571 (Annot.)
- U
- UNGER, PAUL N. (*See* Lev, et al.), 593
- V
- VOGELPOEL, L. (*See* Schrire, et al.), 723
—. (*See* Swanepoel, et al.), 120
- VROOM, R. J. (*See* van Leeuwen, et al.), 264
- W
- DE WAART, A. Einthoven commemoration, 357
- WALLACE, ANDREW G., AND LASZLO, JOHN. Mechanisms influencing conduction in a case of intermittent bundle branch block, 548
- WEIDMANN, S. Discussion (Einthoven Symposium), 316
- WEIDMANN, SILVIO. Ion movements underlying the cardiac action potential, 298
- WHITE, PAUL D. Notes on cardiovascular disease in Africa, 133 (Annot.)
- WILLIAMS, A. W. (*See* Somers, et al.), 416
- WINSOR, TRAVIS. (*See* Hyman and Winsor), 424
- WYLLIE, R. G. Control of body fluid volume, 135 (Annot.)
- Y
- YOFFEE, HARRY F. (*See* Horan, et al.), 504
- YOSHIDA, TSUNEKO, MORI, MASAYOSHI, NIMURA, YASUHARU, HIKITA, GEN-ICHI, TAKAGISHI, SHINPACHI, NAKANISHI, KATSUMI, AND SATOMURA, SHIGEO. Analysis of heart motion with ultrasonic Doppler method and its clinical application, 61
- Z
- ZAO, ZANG Z. (*See* Burch, et al.), 667
- ZERBINI, ENNIO. (*See* Dalla-Volta, et al.), 25
- ZSOTÉR, T., BANDERMAN, L., AND CHAPPEL, C. I. The effect of "local" pH changes on blood flow in the dog, 777

Subject index*

A

- Abscess, large, of heart and spleen complicating bacterial (enterococcal) endocarditis (Schoenfeld, et al.), 818
Acceleration-force, I-J, systolic, values of normal males from Nickerson type of ultralow-frequency ballistocardiographic system (Hollis), 525
Action, cardiac, potential, ion movements underlying (Weidmann), 298
Activity, electrical, of heart, influence of high altitudes on (Peñaloza, et al.), 101
Africa, notes on cardiovascular disease in (White), 133 (Annot.)
Air embolism (James), 423 (Annot.)
Alcoholic cardiomyopathy (Evans), 556
Aldosterone antagonists, clinical use of, 141 (B. Rev.)
Algeria, considerations on evolution of heart diseases in (Sarrouy, et al.), 145
Altitudes, high, influence of, on electrical activity of heart (Peñaloza, et al.), 101
Amotriphen, cardiovascular and antiarrhythmic activity of (Brown, et al.), 531
Amplitudes, ECG, and spatial vectors, relationship of elevated blood pressure to, in otherwise "healthy" subjects (Rautaharju and Blackburn), 156
Anabolic steroids, earlier dialysis and, in acute renal failure (Blagg and Parsons), 287
Aneurysm, aortic sinus, ruptured. Case report, with review of clinical features (Evans, et al.), 408
Angina pectoris. Effect of exertion and of nitrates on precordial movements (Skinner, et al.), 250
Angiocardiography, negative (gas) contrast (Durant), 1
Annotations, 133, 282, 421, 568, 710, 841
Announcements, 143, 430, 574, 718, 848
Antiarrhythmic, cardiovascular and, activity of amotriphen (Brown, et al.), 531
Aorta and its branches, surgery of, 715 (B. Rev.) coarctation of, left-heart volumes in (Bunnell, et al.), 165
Aortic sinus aneurysm, ruptured. Case report, with review of clinical features (Evans, et al.), 408 valvular prosthesis, monocusp, in dogs (Akutsu, et al.), 783
Aortico, traumatic, -right atrial fistula; report of case corrected by operation (Swanepoel, et al.), 120
Apexcardiogram, normal (Benchimol, et al.), 489 time relationship of events in cardiac cycle as related to (Benchimol, et al.), 488 value of, as reference tracing in phonocardiography (Benchimol, et al.), 485
Arrhythmia, sinus, in rheumatic fever (Joseph and Tenckhoff), 634
- Arterial bleeding, acute circulatory effects of, as determined by indicator-dilution curves in normal human subjects (Ralston, et al.), 770
bruits in neck, heart murmurs simulated by (Stapleton and El-Hajj), 178
pressure plethysmograms and impedance plethysmograms, study of (Dontas), 790
pulse waves, what can be found in (Hyman and Winsor), 424 (Annot.)
volume and pressure pulse contours in young human subject (Dontas and Cottas), 676
Arterienverschluss, akute, der Extremitäten (Embolie—Thrombose—Pseudoembolie). Diagnose und Therapie, 716 (B. Rev.)
Arteries, coronary, relation of myocardial bridges and loops on, to coronary occlusions (Poláček), 44
Arteriovenous fistulas, systemic, complicated by heart failure, cardiac output in (Spurny and Pierce), 21
Artery, coronary, disease, masked thyrotoxicosis and, in father and son (Levine), 713 (Annot.) insufficiency, role of exercise tests in diagnosis of (Forte, et al.), 756 single, surgical implications of. Review and two case reports (Longenecker, et al.), 382
Atelectasia pulmonar, 429 (B. Rev.)
Atherosclerosis, coronary. Status of MER-29 (triparanol) (Corcoran), 431 significance of reticuloendothelial cells in (Morris), 569
Atresia, stenosis and, of pulmonic valve, perinatal changes in pulmonary vascular bed with (Naeye), 586
Atrial fistula, right, —traumatic aortico; report of case corrected by operation (Swanepoel, et al.), 120 septal defect, 141 (B. Rev.) and mechanism of shunt (Rowe, et al.), 369 of ostium secundum type, bacterial endocarditis associated with (Griffiths), 543
"Auricularization" of right ventricular pressure curve (Dalla-Volta, et al.), 25
Auscultatory findings in primary myocardial disease (Harvey and Perloff), 199
A-V dissociation, intermittent, unusual type of, in acute rheumatic myocarditis (Goodman and Pick), 259
Axis, electrical. Measurement and definition in historical perspective (Okajima and Simonson), 421 (Annot.)

B

- Bacterial endocarditis associated with atrial septal defect of ostium secundum type (Griffiths), 543 (enterococcal) endocarditis, large abscess of heart and spleen complicating (Schoenfeld, et al.), 818

*January, pp. 1-144; February, pp. 145-286; March, pp. 287-430; April, pp. 431-574; May, pp. 575-718; June, pp. 719-864.

- Bakteriellen Endocarditis, subakuten, Klinik der (Band 8); Pathologie und Klinik in Einzeldarstellungen, 429 (B. Rev.)
- Ballistocardiographic system, ultralow-frequency, Nickerson type of, systolic I-J acceleration-force values of normal males from (Hollis), 525
- Bleeding, arterial, acute circulatory effects of, as determined by indicator-dilution curves in normal human subjects (Ralston, et al.), 770
- Block, bundle branch, intermittent, mechanisms influencing conduction in case of (Wallace and Laszlo), 548
- left, complete; physiologic-pathologic correlation; report of case (Lev), 149
- participation of free ventricular walls in mechanism of production of (Anselmi, et al.), 387
- right, complete; pathology of conduction system in acquired heart disease (Lev, et al.), 593
- Blood, clinical estimation of volumes of, in right heart, left heart, and lungs by use of T^{131} albumin (Love, et al.), 397
- flow, coronary, practical limitations of Kety method for determining, by infrared analysis of blood nitrous oxide (Forte, et al.), 81
- in calf of leg after running (Livingstone), 219
- in dog, effect of "local" pH changes on (Zsotér, et al.), 777
- nitrous oxide, practical limitations of Kety method for determining coronary blood flow by infrared analysis of (Forte, et al.), 81
- pressure, elevated, relationship of, to ECG amplitudes and spatial vectors in otherwise "healthy" subjects (Rautaharju and Blackburn), 156
- measurements of urban Zulu adults (Scotch, et al.), 173
- volume, circulating, central, in normal subjects and patients with mitral stenosis (Moir and Gott), 740
- Body fluid volume, control of (Wyllie), 135 (Annot.)
- Book reviews, 139, 286, 429, 573, 715, 847
- Boundary potentials, application of, to several electrocardiographic problems (Bayley), 684
- Bridges and loops, myocardial, on coronary arteries, relation of, to coronary occlusions (Poláček), 44
- Bruit de Roger (Mendlowitz), 283 (Annot.)
- Bruits, arterial, in neck, heart murmurs simulated by (Stapleton and El-Hajj), 178
- Bundle branch block, intermittent, mechanisms influencing conduction in case of (Wallace and Laszlo), 548
- left, complete; physiologic-pathologic correlation; report of case (Lev), 149
- participation of free ventricular walls in mechanism of production of (Anselmi, et al.), 387
- right, complete; pathology of conduction system in acquired heart disease (Lev, et al.), 593
- C
- Ca, effect of administration of, on blood pressure, ECG, and blood chemistry (van Leeuwen, et al.), 267
- Cadavers, vectorcardiographic deflections obtained with various reference systems in (Burch, et al.), 667
- Canine chest, intact, effect of intracavitory carbon dioxide on surface potentials in (Horan, et al.), 504
- Canine—Cont'd
- heart, effects of ischemia and hypoxia on specialized conducting system of (Bagdonas, et al.), 206
- Carbon dioxide, intracardiac, use of, in diagnosis of pericardial disease (Phillips, et al.), 748
- intracavitory, effect of, on surface potentials in intact canine chest (Horan, et al.), 504
- Cardiac action potential, ion movements underlying (Weidmann), 298
- emergencies and related disorders. Their mechanism, recognition and management, 142 (B. Rev.)
- glycosides and kidney (Kupfer and Kosovsky), 284 (Annot.)
- output and diastolic filling period, effect of variations in, upon mitral diastolic gradient (Silverman, et al.), 646
- determination, analysis of time and concentration components and, obtained from precordial isotope-dilution curves (Sharpe and Shapiro), 650
- effects of posture, upright exercise, and myocardial stimulation on, in patients with diseases affecting diastolic filling and effective systolic ejection of left ventricle (Bruce, et al.), 476
- Cardiodynamics, effects of intravenous lanatoside-C upon, in patients with mitral stenosis and regular sinus rhythm (Greene, et al.), 622
- Cardiography, ultrasonic (Grosse-Brockhoff), 842 (Annot.)
- Cardiologic diagnosis and treatment, visual aids in, 573 (B. Rev.)
- Cardiology, diagnostic, indicator-dilution techniques in (Schluger), 845 (Annot.)
- Cardiomyopathy, alcoholic (Evans), 556
- Cardiopulmonary changes in scleroderma. Physiologic study (Conner and Bashour), 494
- Cardiovascular and antiarrhythmic activity of amotriphene (Brown, et al.), 531
- disease in Africa, notes on (White), 133 (Annot.)
- diseases, 573 (Annot.)
- system, electron microscopy of. Electron microscopic study with applications to physiology, 139 (B. Rev.)
- therapy, on neglected role of water and potassium in (Sodi-Pallares and Polansky), 568 (Annot.)
- Catecholamines, urinary excretion of, and their metabolites in pheochromocytoma (Crout, et al.), 375
- Catheterization, left heart, transseptal, experience with (McGaff, et al.), 161
- Cells, reticuloendothelial, significance of, in atherosclerosis (Morris), 569 (Annot.)
- Circulation, dual, concept of (Hyman), 284 (Annot.)
- of man, effects of "dry" heat on. General hemodynamics in patients with chronic pulmonary emphysema (Traks and Sancetta), 184
- Circulatory effects, acute, of arterial bleeding as determined by indicator-dilution curves in normal human subjects (Ralston, et al.), 770
- Citrate infusion, effect of, on electrocardiogram of hypothermic and normothermic dog (Doherty and Hara), 225
- Clinical information, correlation of, in standard 12-lead ECG and in corrected orthogonal 3-lead ECG (Pippberger, et al.), 34
- pathologic conference (Gasul, et al.), 129 (Lloyd, et al.), 698 (Somers, et al.), 416
- vectorcardiography and electrocardiography, 847 (B. Rev.)

- Coarctation of aorta, left-heart volumes in (Bunnell, et al.), 165
- Color vision, developments in physiology of, since Einthoven (Bouman), 293
- Complex, QRS, contribution of right ventricular wall to (Gould, et al.), 796
- Conducting system, specialized, of canine heart, effects of ischemia and hypoxia on (Bagdonas, et al.), 206
- Conduction, mechanisms influencing, in case of intermittent bundle branch block (Wallace and Laszlo), 548
- system, pathology of, in acquired heart disease. Complete right bundle branch block (Lev, et al.), 593
- times of dog heart, effects of infusing quinidine sulfate and potassium chloride, separately and combined, on (Bennett, et al.), 500
- Congestive heart failure, kinetocardiographic alterations in patients with, at rest and after exercise. Effect of digitalis (Skinner, et al.), 458
- findings in patients with, and changes after therapeutic digitalization (Skinner), 445
- Contours, pressure pulse, arterial volume and, in young human subject (Dontas and Cottas), 676
- Coomassie blue, toxicity of (Hoffman and Guz), 665
- Cor pulmonale, chronic, electrocardiogram in pulmonary emphysema and (Scott), 843 (Annot.)
- steroid maintenance treatment in (Mickerson), 711 (Annot.)
- Coronary arteries, relation of myocardial bridges and loops on, to coronary occlusions (Poláček), 44
- artery disease, masked thyrotoxicosis and, in father and son (Levine), 713 (Annot.)
- insufficiency, role of exercise tests in diagnosis of (Forte, et al.), 756
- single, surgical implications of. Review and two case reports (Longenecker, et al.), 382
- atherosclerosis. Status of MER-29 (triparanol) (Corcoran), 431
- Blood flow, practical limitations of Kety method for determining, by infrared analysis of blood nitrous oxide (Forte, et al.), 81
- occlusion, experimental, salvage of heart muscle by fibrinolytic therapy after (Nydick, et al.), 93
- vessels, ultrastructure of (King), 137 (Annot.)
- Curve, pressure, right ventricular, "auricularization" of (Dalla-Volta, et al.), 25
- Curves, indicator-dilution, acute circulatory effects of arterial bleeding as determined by, in normal human subjects (Ralston, et al.), 770
- isotope-dilution, precordial, analysis of time and concentration components and cardiac output determination obtained from (Sharpe and Shapiro), 650
- Cycle, excitability, experimental study of intramural distribution of, and on form of epicardial T wave in dog heart in situ (van Dam and Durrer), 537
- D**
- Deflections, vectorcardiographic, obtained with various reference systems in cadavers (Burch, et al.), 667
- Dialysis, earlier, and anabolic steroids in acute renal failure (Blagg and Parsons), 287
- Diastolic filling, effects of posture, upright exercise, and myocardial stimulation on cardiac output in patients with diseases affecting, and effective systolic ejection of left ventricle (Bruce, et al.), 476
- period, effect of variations in cardiac output and, upon mitral diastolic gradient (Silverman, et al.), 646
- Digitalis, effect of; kinetocardiographic alterations in patients with congestive heart failure at rest and after exercise (Skinner, et al.), 458
- Digitalization, therapeutic, kinetocardiographic findings in patients with congestive heart failure and changes after (Skinner), 455
- Disease, heart, acquired, pathology of conduction system in. Complete right bundle branch block (Lev, et al.), 593
- Diseases of the newborn, 847 (B. Rev.)
- Displacements, low-frequency, precordial, of thoracic wall. Method of recording and registration (Schneider and Klunhaar), 670
- Dissociation, A-V, intermittent, unusual type of, in acute rheumatic myocarditis (Goodman and Pick), 259
- Distention, vascular, prong-catheter for inducing, in intact animal (Blatteis and Tucker), 236
- Diuretics, mercurial, management of resistant fluid-retention states with intravenous L-arginine monohydrochloride in combination with (Ogden, et al.), 16
- Dog heart, effects of infusing quinidine sulfate and potassium chloride, separately and combined, on conduction times of (Bennett, et al.), 500
- Dogs, normotensive and hypotensive, hemodynamic responses to administration of mephentermine in (Horsley and Eckstein), 88
- Doppler method, ultrasonic, analysis of heart motion with, and its clinical application (Yoshida, et al.), 61
- principle of (Yoshida, et al.), 62
- signal, high-frequency, due to valvular movements in human being and its clinical application (Yoshida, et al.), 66
- kinds of, due to heart movements (Yoshida, et al.), 63
- "Dry" heat, effects of, on circulation of man. General hemodynamics in patients with chronic pulmonary emphysema (Traks and Sancetta), 184
- Dual circulation, concept of (Hyman), 284 (Annot.)
- E**
- ECG amplitudes and spatial vectors, relationship of elevated blood pressure to, in otherwise "healthy" subjects (Rautaharju and Blackburn), 156
- changes, hypotension accompanying, in two uremic patients with severe hypocalcemia (van Leeuwen, et al.), 264
- standard 12-lead, correlation of clinical information in, and in corrected orthogonal 3-lead ECG (Pipberger, et al.), 34
- Eclampsia, pre-eclampsia, etiology of (Burt), 710 (Annot.)
- Edema: mechanisms and management, 139 (B. Rev.)
- Editorials, 1, 145, 287, 431, 575, 719
- Considerations on evolution of heart diseases in Algeria (Sarrouy, et al.), 145
- Coronary atherosclerosis. Status of MER-29 (triparanol) (Corcoran), 431
- Earlier dialysis and anabolic steroids in acute renal failure (Blagg and Parsons), 287
- Management of nephrotic syndrome (Merrill), 719

Editorials—Cont'd

- Negative (gas) contrast angiography (Durrant), 1
- Thrombolytic therapy (Sherry and Fletcher), 575
- Einthoven commemoration (de Waart), 357
address (Jonkers), 366
- development in clinical electrocardiography since (Burch), 324
- developments in physiology of color vision since (Bouman), 293
- in memory of (Regnier), 361
- symposium, 292
- Willem. Some historical notes on occasion of centenary celebration of his birth (Levine), 422
- Ejection, systolic, effective, of left ventricle, effects of posture, upright exercise, and myocardial stimulation on cardiac output in patients with diseases affecting diastolic filling and (Bruce, et al.), 476
- Electrical activity of heart, influence of high altitudes on (Peñaloza, et al.), 101
- axis. Measurement and definition in historical perspective (Okajima and Simonson), 421 (Annot.)
- Electrocardiogram and vectorcardiogram, theoretical and clinical studies of, in right ventricular enlargement (Cohen, et al.), 656 in normal and some abnormal conditions (Durrer, et al.), 303
- in pulmonary emphysema and chronic cor pulmonale (Scott), 843 (Annot.)
- of hypothermic and normothermic dog, effect of citrate infusion on (Doherty and Hara), 225
- of premature infant (Hubsher), 467
- Electrocardiographic leads, conventional, comparative proximity and remoteness characteristics of (Evans, et al.), 615
- problems, several, application of boundary potentials to (Bayley), 684
- techniques. Manual for physicians, nurses, and technicians, 141 (B. Rev.)
- Electrocardiography, clinical, development in, since Einthoven (Burch), 324
day's discussion on (Giraud), 354
vectorcardiography and, 847 (B. Rev.)
- Electrode system hydrogen-platinum, in detection of intravascular shunts (Hyman, et al.), 53
- Electron microscopy of cardiovascular system. Electron microscopic study with applications to physiology, 135 (B. Rev.)
- Electrophysiology of heart, 139 (B. Rev.)
- Elektrokardiographie, Grundriss und Atlas der, 140 (B. Rev.)
- Embolism, air (James), 423 (Annot.)
pulmonary, experimental, vascular lesions in (Tamayo, et al.), 515
- Emergencies, cardiac, and related disorders. Their mechanism, recognition and management, 142 (B. Rev.)
- Emphysema, pulmonary, and chronic cor pulmonale, electrocardiogram in (Scott), 843 (Annot.)
chronic, general hemodynamics in patients with. Effects of "dry" heat on circulation of man (Traks and Sancetta), 184
- Endocardial fibroelastosis (Still), 579
in one of monozygotic twins (Stadler), 116
- thickening, adult and adolescent (Still), 584
pathogenesis of (Still), 581
- Endocarditis, bacterial, associated with atrial septal defect of ostium secundum type (Griffiths), 543
- (enterococcal), bacterial, large abscess of heart and spleen complicating (Schoenfeld, et al.) 818

Endocarditis—Cont'd

- Subakuten Bakteriellen, Klinik der (Band 8); Pathologie und Klinik in Einzeldarstellungen, 429 (B. Rev.)
- Enlargement, ventricular, right, theoretical and clinical studies of electrocardiogram and vectorcardiogram in (Cohen, et al.), 656
- Epicardial T wave, form of, in dog heart *in situ*, experimental study on intramural distribution of excitability cycle and on form of (van Dam and Durrer), 537
- Excitability cycle, experimental study on intramural distribution of, and on form of epicardial T wave in dog heart *in situ* (van Dam and Durrer), 537
- Excretion, noradrenaline, elevated, essential hypertension with (Goodall and Bogdonoff), 640
- urinary, of catecholamines and their metabolites in pheochromocytoma (Crout, et al.), 375
- Exercise tests, role of, in diagnosis of coronary artery insufficiency (Forte, et al.), 756
- upright, posture, and myocardial stimulation, effects of, on cardiac output in patients with diseases affecting diastolic filling and effective systolic ejection of left ventricle (Bruce, et al.), 476
- Exertion, effect of, and of nitrates on precordial movements; angina pectoris (Skinner, et al.), 250

F

- Failure, heart, cardiac output in systemic arteriovenous fistulas complicated by (Spurny and Pierce), 21
with special reference to myocardial disease and; nature of rheumatic heart disease, 715 (B. Rev.)

renal, acute, earlier dialysis and anabolic steroids in (Blagg and Parsons), 287

Fallot, tetralogy of, pulmonary second sound in (Bousvaros), 570 (Annot.)

Fibrinolytic therapy, salvage of heart muscle by, after experimental coronary occlusion (Nydrick, et al.), 93

Fibroelastosis, endocardial (Still), 579

etiology of (Still), 580

in one of monozygotic twins (Stadler), 116

pattern of (Still), 579

Filling, diastolic, effects of posture, upright exercise, and myocardial stimulation on cardiac output in patients with diseases affecting, and effective systolic ejection of left ventricle (Bruce, et al.), 476

period, diastolic, effect of variations in cardiac output and, upon mitral diastolic gradient (Silverman, et al.), 646

Fistula, right atrial,—traumatic aortico; report of case corrected by operation (Swanepoel, et al.), 120

Fistulas, arteriovenous, systemic, complicated by heart failure, cardiac output in (Spurny and Pierce), 21

Fluid, body, volume, control of (Wyllie), 135 (Annot.)

Fluid-retention states, resistant, management of, with intravenous L-arginine monohydrochloride in combination with mercurial diuretics (Ogden, et al.), 16

Frank vectorcardiogram, normal, study of (Bristow), 242

G

Glycosides, cardiac, and kidney (Kupfer and Kosovsky), 284 (Annot.)

Gradient, mitral diastolic, effect of variations in cardiac output and diastolic filling period upon (Silverman, et al.), 646

H

Heart and spleen, large abscess of, complicating bacterial (enterococcal) endocarditis (Schoenfeld, et al.), 818
 canine, effects of ischemia and hypoxia on specialized conducting system of (Bagdonas, et al.), 206
 catheterization, left, transseptal, experience with (McGaff, et al.), 161
 disease, acquired, pathology of conduction system in. Complete right bundle branch block (Lev, et al.), 593
 rheumatic, nature of. With special reference to myocardial disease and heart failure, 715 (B. Rev.)
 diseases, considerations on evolution of, in Algeria (Sarrouy, et al.), 145
 dog, effects of infusing quinidine sulfate and potassium chloride, separately and combined, on conduction times of (Bennett, et al.), 500
 in situ, experimental study of intramural distribution of excitability cycle and on form of epicardial T wave in (van Dam and Durrer), 537
 electrophysiology of, 139 (B. Rev.)
 failure, cardiac output in systemic arteriovenous fistulas complicated by (Spurny and Pierce), 21
 congestive, kinetocardiographic alterations in patients with, at rest and after exercise. Effect of digitalis (Skinner, et al.), 458
 findings in patients with, and changes after therapeutic digitalization (Skinner), 445
 human, intact, electrocardiogram in (Durrer, et al.), 306
 in industry, 286 (B. Rev.)
 influence of high altitudes on electrical activity of (Peñaloza, et al.), 101
 motion, analysis of, with ultrasonic Doppler method and its clinical application (Yoshida, et al.), 61
 murmurs simulated by arterial bruits in neck (Stapleton and El-Hajj), 178
 muscle, salvage of, by fibrinolytic therapy after experimental coronary occlusion (Nywick, et al.), 93
 right, left heart, and lungs, clinical estimation of volumes of blood in, by use of I^{131} albumin (Love, et al.), 397
 Heart-vector and leads (Burger, et al.), 317
 Hemodynamic responses to administration of mephentermine in normotensive and hypotensive dogs (Horsley and Eckstein), 88
 systemic and coronary, effects of 1-(2-methoxyphenyl)-4-(3-methoxypropyl)-piperazine phosphate (Rowe, et al.), 238
 Hemodynamics, general, in patients with chronic pulmonary emphysema. Effects of "dry" heat on circulation of man (Traks and Sancetta), 184
 Herz und Herzeutel, Wiederherstellungs chirurgie an, 429 (B. Rev.)
 Herzkranken, Untersuchung und Beurteilung des, 430 (B. Rev.)
 Hydrogen-platinum electrode system in detection of intravascular shunts (Hyman, et al.), 53
 Hypertension, essential, with elevated noradrenaline excretion (Goodall and Bogdonoff), 640
 ventricular, right, as cause of precordial pain (Ross), 134 (Annot.)
 Volume III: Renal, electrolyte and autonomic factors, 286 (B. Rev.)
 Hypertensive therapy, recent developments in (Smirk), 272

Hypertrophy, ventricular, left, U vector loop or arc in normal subjects and in those with (Sano, et al.), 802

Hypocalcemia, severe, hypotension accompanying ECG changes in two uremic patients with (van Leeuwen, et al.), 264

Hypotension accompanying ECG changes in two uremic patients with severe hypocalcemia (van Leeuwen, et al.), 264

Hypotensive, normotensive and, dogs, hemodynamic responses to administration of mephentermine in (Horsley and Eckstein), 88
 regimen, preliminary approach to establishing (Smirk), 274

Hypothermic and normothermic dog, effect of citrate infusion on electrocardiogram of (Doherty and Hara), 225

Hypoxia, effects of ischemia and, on specialized conducting system of canine heart (Bagdonas, et al.), 206

I

I^{131} albumin, clinical estimation of volumes of blood in right heart, left heart, and lungs by use of (Love, et al.), 397

I-J acceleration-force values, systolic, of normal males from Nickerson type of ultralow-frequency ballistocardiographic system (Hollis), 525

Impedance plethysmograms, study of arterial pressure plethysmograms and (Dontas), 790
 Incompetence, mitral, silent (Schrire, et al.), 723

Indicator-dilution curves, acute circulatory effects of arterial bleeding as determined by, in normal human subjects (Ralston, et al.), 770
 techniques in diagnostic cardiology (Schlager), 845 (Annot.)

Industry, heart in, 286 (B. Rev.)

Infant, newborn, resuscitation of. Principles and practice, 715 (B. Rev.)

premature, electrocardiogram of (Hubsher), 467
 Infarction, myocardial, chronic, electrocardiogram in (Durrer, et al.), 311

experimental induction of (Myasnikov, et al.), 76

Infrared analysis of blood nitrous oxide, practical limitations of Kety method for determining coronary blood flow by (Forte, et al.), 81

Insufficiency, coronary artery, role of exercise tests in diagnosis of (Forte, et al.), 756

Intracardiac carbon dioxide, use of, in diagnosis of pericardial disease (Phillips, et al.), 748

Intravascular shunts, hydrogen-platinum electrode system in detection of (Hyman, et al.), 53

Ion movements underlying cardiac action potential (Weidmann), 298

Ions, distribution of (Weidmann), 299

Ischemia and hypoxia, effects of, on specialized conducting system of canine heart (Bagdonas, et al.), 206

Isotope-dilution curves, precordial, analysis of time and concentration components and cardiac output determination obtained from (Sharpe and Shapiro), 650

K

Kety method, practical limitations of, for determining coronary blood flow by infrared analysis of blood nitrous oxide (Forte, et al.), 81

Kidney, cardiac glycosides and (Kupfer and Kosovsky), 284 (Annot.)

Kinetocardiographic alterations in patients with congestive heart failure at rest and after exercise. Effect of digitalis (Skinner, et al.), 458

Kinetocardiographic—Cont'd

findings in patients with congestive heart failure and changes after therapeutic digitalization (Skinner), 445

L

L-arginine monohydrochloride, intravenous, in combination with mercurial diuretics, management of resistant fluid-retention states with (Ogden, et al.), 16

Lanatoside-C, intravenous, effects of, upon cardiodynamics in patients with mitral stenosis and regular sinus rhythm (Greene, et al.), 622

Leads, electrocardiographic, conventional, comparative proximity and remoteness characteristics of (Evans, et al.), 615
heart-vector and (Burger, et al.), 317

Left-heart volumes in coarctation of aorta (Bunnell, et al.), 165

Leg, blood flow in calf of, after running (Livingstone), 219

Lesions, vascular, in experimental pulmonary embolism (Tamayo, et al.), 515

Letters to Editor, 138, 427
Loops, bridges and, myocardial, on coronary arteries, relation of, to coronary occlusions (Poláček), 44

Low-frequency displacements, precordial, of thoracic wall. Method of recording and registration (Schneider and Klunhaar), 670

Lungs, clinical estimation of volumes of blood in right heart, left heart, and, by use of I^{131} albumin (Love, et al.), 397

M

Medical science, blight of (Hecht), 282 (Annot.)
Medicine versus science (Mendlowitz), 571 (Annot.)
Membrane potentials, recording of (Weidmann), 298

Mephentermine, hemodynamic responses to administration of, in normotensive and hypotensive dogs (Horsley and Eckstein), 88

MER-29 (triparanol), status of; coronary atherosclerosis (Corcoran), 431

Mercurial diuretics, management of resistant fluid-retention states with intravenous L-arginine monohydrochloride in combination with (Ogden, et al.), 16

Metabolites, their, urinary excretion of catecholamines and, in pheochromocytoma (Crout, et al.), 375

1 - (2 - methoxyphenol) - 4 - (3 - methoxypropyl) - piperazine phosphate, systemic and coronary hemodynamic effects of (Rowe, et al.), 238

Microscopy, electron, of cardiovascular system. Electron microscopic study with applications to physiology, 139 (B. Rev.)

Mitral diastolic gradient, effect of variations in cardiac output and diastolic filling period upon (Silverman, et al.), 646

incompetence, silent (Schrire, et al.), 723
stenosis and regular sinus rhythm, effects of intravenous lanatoside-C upon cardiodynamics in patients with (Greene, et al.), 622

central circulating blood volume in normal subjects and patients with (Moir and Gott), 740

valvotomy in children (Borman, et al.), 763

Monozygotic twins, endocardial fibroelastosis in one of (Stadler), 116

Motion, heart, analysis of, with ultrasonic Doppler method and its clinical application (Yoshida, et al.), 61

Murmurs, heart, simulated by arterial bruits in neck (Stapleton and El-Hajj), 178

Muscle, heart, salvage of, by fibrinolytic therapy after experimental coronary occlusion (Nydrick, et al.), 93

Myocardial bridges and loops on coronary arteries, relation of, to coronary occlusions (Poláček), 44

disease and heart failure, with special reference to; nature of rheumatic heart disease, 715 (B. Rev.)

primary, auscultatory findings in (Harvey and Perloff), 199

function, preservation of, during open-heart surgery (Stirling), 841 (Annot.)

infarction, experimental induction of (Myasnikov, et al.), 76

stimulation, effects of posture, upright exercise, and, on cardiac output in patients with diseases affecting diastolic filling and effective systolic ejection of left ventricle (Bruce, et al.), 476

Myocarditis, rheumatic, acute, unusual type of intermittent A-V dissociation in (Goodman and Pick), 259

Myxedema, paroxysmal ventricular tachycardia associated with. Case report (Hansen), 692

N

Neck, heart murmurs simulated by arterial bruits in (Stapleton and El-Hajj), 178

Nephrotic syndrome (Findley), 822
management of (Merrill), 719

Newborn, diseases of, 847 (B. Rev.)
infant, resuscitation of. Principles and practice, 715 (B. Rev.)

Nickerson type of ultralow-frequency ballistocardiographic system, systolic I-J acceleration-force values of normal males from (Hollis), 525

Nitrites, effect of exertion and of, on precordial movements; angina pectoris (Skinner, et al.), 250

Nitrous oxide, blood, practical limitations of Kety method for determining coronary blood flow by infrared analysis of (Forte, et al.), 81

Noradrenaline excretion, elevated, essential hypertension with (Goodall and Bogdonoff), 640

Normotensive and hypotensive dogs, hemodynamic responses to administration of mephentermine in (Horsley and Eckstein), 88

Normothermic, hypothermic and, dog, effect of citrate infusion on electrocardiogram of (Doherty and Hara), 225

O

Occlusion, coronary, acute, electrocardiogram in (Durrer, et al.), 308

experimental, salvage of heart muscle by fibrinolytic therapy after (Nydrick, et al.), 93

Occlusions, coronary, relation of myocardial bridges and loops on coronary arteries to (Poláček), 44

Oedeme, die. Physiopathologie und Therapie der Salz- und Wasserretention, 716 (B. Rev.)

Open-heart surgery, preservation of myocardial function during (Stirling), 841 (Annot.)

Orthogonal 3-lead ECG, corrected, correlation of clinical information in standard 12-lead ECG and in (Pipberger, et al.), 34

Ostium secundum type, atrial septal defect of, bacterial endocarditis associated with (Griffiths), 543

Output, cardiac, and diastolic filling period, effect of variations in, upon mitral diastolic gradient (Silverman, et al.), 646
 determination, analysis of time and concentration components and, obtained from precordial isotope-dilution curves (Sharpe and Shapiro), 650
 effects of posture, upright, exercise, and myocardial stimulation on, in patients with diseases affecting diastolic filling and effective systolic ejection of left ventricle (Bruce, et al.), 476
 in systemic arteriovenous fistulas complicated by heart failure (Spurny and Pierce), 21

P

P wave, contributions to functional morphology of (Gross), 436
 Pain, precordial, right ventricular hypertension as cause of (Ross), 134 (Annot.)
 Paroxysmal ventricular tachycardia associated with myxedema. Case report (Hansen), 692
Pathologie und Klinik in Einzeldarstellungen. Band 8. Klinik der Subakuten Bakteriellen Endocarditis, 429 (B. Rev.)
 Pericardial disease, use of intracardiac carbon dioxide in diagnosis of (Phillips, et al.) 748
 Perinatal changes in pulmonary vascular bed with stenosis and atresia of pulmonic valve (Naeye), 586
 pH changes, "local," effect of, on blood flow in dog (Zsotér, et al.), 777
 Pheochromocytoma, urinary excretion of catecholamines and their metabolites in (Crout, et al.), 375
 Phonocardiography, developments in (Snellen and Hartman), 347
 value of apexcardiogram as reference tracing in (Benchimol, et al.), 485
 Physician, mathematical physics and (Klip), 710 (Annot.)
 Physics, mathematical, and physician (Klip), 710 (Annot.)
 Plethysmograms, arterial pressure, and impedance plethysmograms, study of (Dontas), 790
 Posture, upright exercise, and myocardial stimulation, effects of, on cardiac output in patients with diseases affecting diastolic filling and effective systolic ejection of left ventricle (Bruce, et al.), 476
 Potassium chloride, effects of infusing quinidine sulfate and, separately and combined, on conduction times of dog heart (Bennett, et al.), 500
 water and, on neglected role of, in cardiovascular therapy (Sodi-Pallares and Polansky), 568 (Annot.)
 Potential, cardiac action, ion movements underlying (Weidmann), 298
 Potentials, boundary, application of, to several electrocardiographic problems (Bayley), 684
 surface, effect of intracavitory carbon dioxide on, in intact canine chest (Horan, et al.), 504
 Precordial isotope-dilution curves, analysis of time and concentration components and cardiac output determination obtained from (Sharpe and Shapiro), 650
 low-frequency displacements of thoracic wall. Method of recording and registration (Schneider and Klunhaar), 670
 movements, effect of exertion and of nitrites on; angina pectoris (Skinner, et al.), 250
 pain, right ventricular hypertension as cause of (Ross), 134 (Annot.)

Pre-eclampsia eclampsia, etiology of (Burt), 710 (Annot.)

Pressure, arterial, plethysmograms and impedance plethysmograms, study of (Dontas), 790 curve, right ventricular, "auricularization" of (Dalla-Volta, et al.), 25

pulse contours, arterial volume and, in young human subject (Dontas and Cottas), 676

Prong-catheter for inducing vascular distention in intact animal (Blatteis and Tucker), 236

Prosthesis, monocusp aortic valvular, in dogs (Akutsu, et al.), 783

Proximity and remoteness characteristics, comparative, of conventional electrocardiographic leads (Evans, et al.), 615

Pulmonary, atelectasia, 429 (B. Rev.)

Pulmonary embolism, experimental, vascular lesions in (Tamayo, et al.), 515

emphysema and chronic cor pulmonale, electrocardiogram in (Scott), 843 (Annot.)

chronic, general hemodynamics in patients with. Effects of "dry" heat on circulation of man (Traks and Sancetta), 184

second sound in tetralogy of Fallot (Bousvaros) 570 (Annot.)

trunk with subaortic stenosis above ventricular septal defect, biventricular origin of (Neufeld, et al.), 189

vascular bed with stenosis and atresia of pulmonic valve, perinatal changes (Naeye), 586

vasodilator, effective; tolazoline hydrochloride (Priscoline) (Grover, et al.), 5

Pulmonic valve, perinatal changes in pulmonary vascular bed with stenosis and atresia of (Naeye), 586

Pulse, pressure, contours, arterial volume and, in young human subject (Dontas and Cottas), 676

waves, arterial, what can be found in (Hyman and Winsor), 424

Q

QRS complex, contribution of right ventricular wall to (Gould, et al.), 796

Quinidine sulfate and potassium chloride, effects of infusing, separately and combined, on conduction times of dog heart (Bennett, et al.), 500

R

Recording and registration, method of; precordial low-frequency displacements of thoracic wall (Schneider and Klunhaar), 670

Reference systems, various, vectorcardiographic deflections obtained with, in cadavers (Burch, et al.), 667

Registration, method of recording and; precordial low-frequency displacements of thoracic wall (Schneider and Klunhaar), 670

Remoteness, proximity and, characteristics, comparative, of conventional electrocardiographic leads (Evans, et al.), 615

Renal failure, acute, earlier dialysis and anabolic steroids in (Blagg and Parsons), 287

Resuscitation of newborn infant. Principles and practice, 715 (B. Rev.)

Reticuloendothelial cells, significance of, in atherosclerosis (Morris), 569 (Annot.)

Rheumatic fever, sinus arrhythmia in (Joseph and Tenckhoff), 634

heart disease, nature of. With special reference to myocardial disease and heart failure, 715 (B. Rev.)

myocarditis, acute, unusual type of intermittent A-V dissociation in (Goodman and Pick), 259

- Roger, bruit de (Mendlowitz), 283 (Annot.)
 Running, blood flow in calf of leg after (Livingstone), 219
- S
- Science, medical, blight of (Hecht), 282 (Annot.)
 medicine versus (Mendlowitz), 571 (Annot.)
 Scleroderma, cardiopulmonary changes in. Physiologic study (Conner and Bashour), 494
 Second sound, pulmonary, in tetralogy of Fallot (Bousvaros), 570 (Annot.)
 Septal defect, atrial, 141 (B. Rev.)
 and mechanism of shunt (Rowe, et al.), 369
 of ostium secundum type, bacterial endocarditis associated with (Griffiths), 543
 ventricular, biventricular origin of pulmonary trunk with subaortic stenosis above (Neufeld, et al.), 189
 Shunt, atrial septal defect and mechanism of (Rowe, et al.), 369
 Shunts, intravascular, hydrogen-platinum electrode system in detection of (Hyman, et al.), 53
 Sinus aneurysm, aortic, ruptured. Case report, with review of clinical features (Evans, et al.), 408
 arrhythmia in rheumatic fever (Joseph and Tenckhoff), 634
 rhythm, regular, effects of intravenous lanatoside-C upon cardiodynamics in patients with mitral stenosis and (Greene, et al.), 622
 Spatial vectors, relationship of elevated blood pressure to ECG amplitudes and, in otherwise "healthy" subjects (Rautaharju and Blackburn), 156
 Spleen, large abscess of heart and, complicating bacterial (enterococcal) endocarditis (Schoenfeld, et al.), 818
 Stenosis and atresia of pulmonic valve, perinatal changes in pulmonary vascular bed with (Naeye), 586
 mitral, and regular sinus rhythm, effects of intravenous lanatoside-C upon cardiodynamics in patients with (Greene, et al.), 622
 central circulating blood volume in normal subjects and patients with (Moir and Gott), 740
 subaortic, above ventricular septal defect, biventricular origin of pulmonary trunk with (Neufeld, et al.), 189
 Steroid maintenance treatment in cor pulmonale (Mickerson), 711 (Annot.)
 Steroids, anabolic, earlier dialysis and, in acute renal failure (Blagg and Parsons), 287
 Stimulation, myocardial, effects of posture, upright exercise, and, on cardiac output in patients with diseases affecting diastolic filling and effective systolic ejection of left ventricle (Bruce, et al.), 476
 Surgery of aorta and its branches, 715 (B. Rev.)
 open-heart, preservation of myocardial function during (Stirling), 841 (Annot.)
 Surgical implications of single coronary artery. Review and two case reports (Longenecker, et al.), 382
 Syndrome, nephrotic, management of (Merrill), 719
 System, conduction, pathology of, in acquired heart disease. Complete right bundle branch block (Lev, et al.), 593
 Systolic ejection, effective, of left ventricle, effects of posture, upright exercise, and myocardial stimulation on cardiac output in patients with diseases affecting diastolic filling and (Bruce, et al.), 476

Systolic—Cont'd

I-J acceleration-force values of normal males from Nickerson type of ultralow-frequency ballistocardiographic system (Hollis), 525

T

- T wave, epicardial, form of, in dog heart in situ, experimental study on intramural distribution of excitability cycle and on (van Dam and Durrer), 537
 Tachycardia, ventricular, paroxysmal, associated with myxedema. Case report (Hansen), 692
 Tachycardias, bidirectional, genesis of (Castellanos), 733
 Tetralogy of Fallot, pulmonary second sound in (Bousvaros), 570 (Annot.)
 Therapy, hypertensive, recent developments in (Smirk), 272
 Thoracic wall, precordial low-frequency displacements of. Method of recording and registration (Schneider and Klunhaar), 670
 Thrombolytic therapy (Sherry and Fletcher), 575
 Thyrotoxicosis, masked, and coronary artery disease in father and son (Levine), 713 (Annot.)
 Tolazoline hydrochloride (Priscoline): effective pulmonary vasodilator (Grover, et al.), 5
 Toxicity of Coomassie blue (Hoffman and Guz), 665
 Transposition of great vessels, functionally corrected, without significant associated defects (Goodman and Kuzman), 811
 Traumatic aorto-right atrial fistula; report of case corrected by operation (Swanepoel, et al.), 120
 Trunk, pulmonary, with subaortic stenosis above ventricular septal defect, biventricular origin of (Neufeld, et al.), 189
 Twins, monozygotic, endocardial fibroelastosis in one of (Stadler), 116

U

- U vector loop or arc in normal subjects and in those with left ventricular hypertrophy (Sano, et al.), 802
 Ultrasonic cardiology (Grosse-Brockhoff), 842 (Annot.)
 Doppler method, analysis of heart motion with, and its clinical application (Yoshida, et al.), 61
 Ultrasound, transmittance, direction, and reflection in body of (Yoshida, et al.), 61
 Ultrastructure of coronary vessels (King), 137 (Annot.)
 Untersuchung und Beurteilung des Herzkranken, 430 (B. Rev.)
 Uremic patients, two, with severe hypocalcemia, hypotension accompanying ECG changes in (van Leeuwen, et al.), 264

V

- Valve, pulmonic, perinatal changes in pulmonary vascular bed with stenosis and atresia of (Naeye), 586
 Valvotomy, mitral, in children (Borman, et al.), 763
 Valvular, aortic, prosthesis, monocusp, in dogs (Akutsu, et al.), 783
 bed, pulmonary, with stenosis and atresia of pulmonic valve, perinatal changes in (Naeye), 586
 distention, prong-catheter for inducing, in intact animal (Blatteis and Tucker), 236
 lesions in experimental pulmonary embolism (Tamayo, et al.), 515

- Vasodilator, pulmonary, effective; tolazoline hydrochloride (Priscoline) (Grover, et al.), 5
- Vector, U, loop, or arc in normal subjects and in those with left ventricular hypertrophy (Sano, et al.), 802
- Vectorcardiogram, Frank, normal, study of (Bristow), 242
theoretical and clinical studies of electrocardiogram and, in right ventricular enlargement (Cohen, et al.), 656
- Vectorcardiographic deflections obtained with various reference systems in cadavers (Burch, et al.), 667
- Vectorcardiography, clinical, and electrocardiography, 847 (B. Rev.)
- Vectorelectrocardiography, quantitative, 716 (B. Rev.)
- Vectors, spatial, relationship of elevated blood pressure to ECG amplitudes and, in otherwise "healthy" subjects (Rautaharju and Blackburn), 156
- Vein, innominate, left, kinked (Tyrer), 571 (Annot.)
- Ventricle, left, effects of posture, upright exercise, and myocardial stimulation on cardiac output in patients with diseases affecting diastolic filling and effective systolic ejection of (Bruce, et al.), 476
- Ventricular enlargement, right, theoretical and clinical studies of electrocardiogram and vectorcardiogram in (Cohen, et al.), 656
- hypertension, right, as cause of precordial pain (Ross), 134 (Annot.)
- hypertrophy, left, U vector loop or arc in normal subjects and in those with (Sano, et al.), 802
- pressure curve, right, "auricularization" of (Dalla-Volta, et al.), 25
- septal defect, biventricular origin of pulmonary trunk with subaortic stenosis above (Neufeld, et al.), 189
- Ventricular—Cont'd
tachycardia, paroxysmal, associated with myxedema. Case report (Hansen), 692
- wall, right contribution of, to QRS complex (Gould, et al.), 796
- walls, free, participation of, in mechanism of production of bundle branch block (Anselmi, et al.), 387
- Vessels, coronary, ultrastructure of (King), 137 (Annot.)
- great, functionally corrected transposition of, without significant associated defects (Goodman and Kuzman), 811
- Vision, color, developments in physiology of, since Einthoven (Bouman), 293
- Visual aids in cardiologic diagnosis and treatment, 573 (B. Rev.)
- Volume, arterial, and pressure pulse contours in young human subject (Dontas and Cottas), 676
- blood, circulating, central, in normal subjects and patients with mitral stenosis (Moir and Gott), 740
- Volumes, left-heart, in coarctation of aorta (Bunnell, et al.), 165
- W
- Water and potassium, on neglected role of, in cardiovascular therapy (Sodi-Pallares and Polansky), 568 (Annot.)
- Wave, P, contributions to functional morphology of (Gross), 436
- Waves, pulse, arterial, what can be found in (Hyman and Winsor), 424
- Wiederherstellungschirurgie an Herz und Herzbetul, 429 (B. Rev.)
- Z
- Zulu adults, urban, blood pressure measurements of (Scotch, et al.), 173

